Introduction to the

Commodore® AMIGA® 520

Video Adapter for the A500

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VIDEO ADAPTER for the A500

FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE
STATEMENT

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart H of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient the receiving antenna
—Relocate the computer with respect to receiver
—Move the computer away from the receiver
—Plug the computer into a different outlet so that computer and receiver are on different branch circuits

If necessary, the user should consult the dealer or an experienced radio television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems."

This booklet is available from the U.S. Government Printing Office. Washington, DC 20402. Stock No. 004-000-00345-4.

The use of a non-shielded interface cable with this device is prohibited.

CAUTION: If the house AC wall receptacle is not the 3-pronged type contact an electrician to install the correct 3-pronged receptacle.

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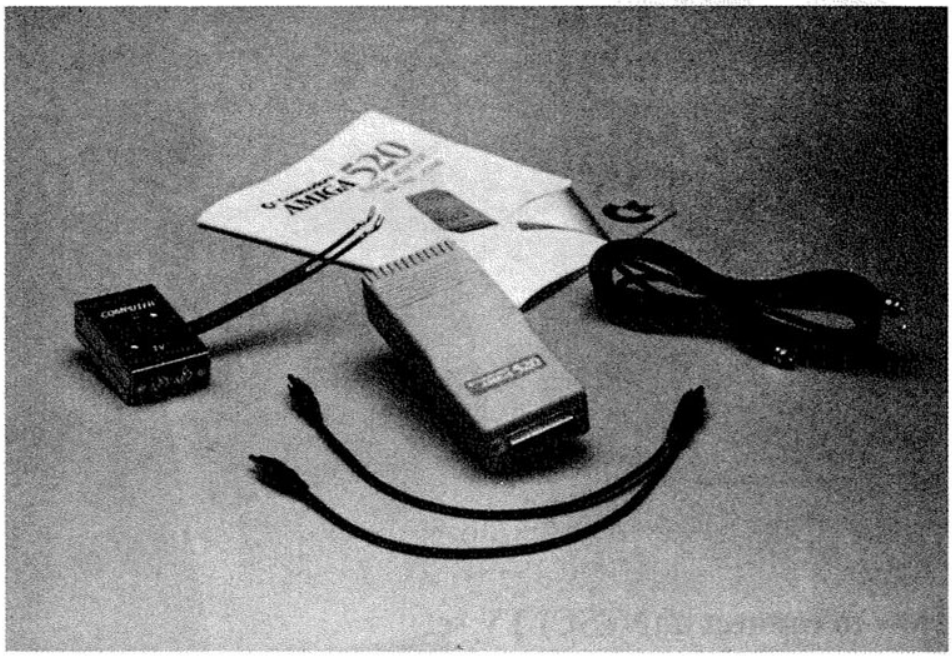
What is the AMIGA 520 Video Adapter?

The Commodore Amiga Video Adapter is a device that allows you to connect your Amiga 500 to a TV set or a composite video monitor. It does this by converting the RGB video signal the Amiga produces for RGB monitors to a composite video signal that a TV or composite monitor can interpret.

What comes with the Video Adapter?



-Amiga 520 adapter
-TV switch box
-TV connector cable
-Y-cable
-Introduction to the Commodore Amiga 520

If any of these items are missing or damaged, contact your dealer. You may want to save the box to protect your equipment if you need to move it or return it for service.

The Parts of the A520

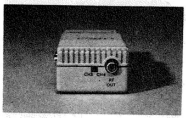
The front and right side of the A520

Video OUT—connects with a color composite monitor.

Audio IN—connects with the Amiga's L and R Audio.

RGB Connector—connects the A520 to the Amiga.

The back of the A520



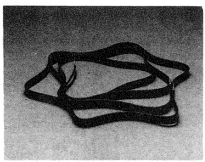
Channel Selector Switch

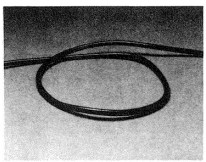
RF OUT—(Radio Frequency OUT)—connects with television.

How to connect a (NTSC) TV set

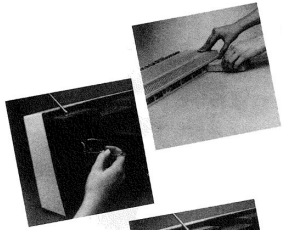
How you connect your Amiga to a television set depends on what type of antenna connection your TV has. There are two types of antenna connections:

-Flat 300-ohm wire
-Round 75-ohm coaxial cable





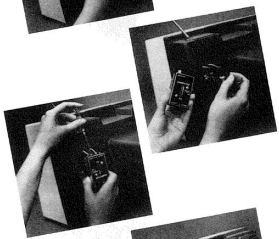
For TVs with 300-ohm Antenna Wires



1. Make sure both the TV and the Amiga are OFF.

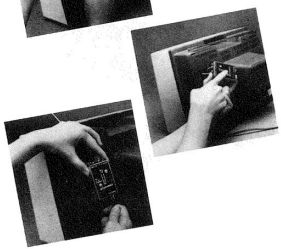
WARNING: Before connecting any cables, make sure the power to the computer is OFF, to avoid damaging either unit.

2. Grasp the A520 and line up its RGB connector with the RGB video port on the back of the computer. The two should fit together with just a slight push. (If they do not, check that the pins in the A500's connector are straight and that the A520 is right side up. Now try again.)



3. Disconnect the two VHF antenna wires from the VHF terminals of the TV.

4. Reconnect the VHF terminals on the TV to the 2-pronged short flat wire on the side of the TV switch box.



5. Connect the TV's VHF antenna wires to the screws at the bottom of the TV switch box, at the point marked CONNECT TO ANTENNA.

6. Slide the selector switch on the TV switch box to the position marked COMPUTER.

7. Plug one end of the TV connector cable into the jack marked COMPUTER at the top of the TV switch box.

8. Plug the other end of the TV connector cable into the A520's RF OUT port.

9. Connect the main stem of the y-audio cable into the AUDIO IN port on the side of the A520.

10. Connect the other two ends of the y-audio cable to the *L AUDIO* and *R AUDIO* on the back of the Amiga. (It does not matter which side of the y-audio cable you connect to the *L* of *R AUDIO*.)

NOTE: If you want to connect the Amiga's audio output to your stereo, rather than your TV, you must buy two additional cables, called "RCA plug to RCA plug," (available in most electronics or hardware stores) to connect to your particular stereo. Connect the two cables from the *L* and *R AUDIO* ports on the computer to the *L* and *R AUX* inputs on your amplifier and select *AUX input* on your stereo.

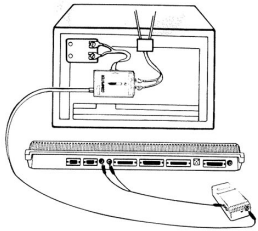
11. Set the channel selector switch on the A520 to *channel 3* or *channel 4*, whichever is not used for broadcasting in your area.

12. Set the channel on your TV set to the same channel.

13. Plug the TV set and the Amiga into a 3-pronged electrical outlet.

CAUTION: If the house AC wall outlet is not the 3-pronged type, contact an electrician to install the correct 3-pronged outlet. If a multi-connector box is used to connect the computer and peripherals to the AC line, the AC ground must be common to all units. Contact an electrician if you are not sure if your system is grounded properly.

14. Check your connections.

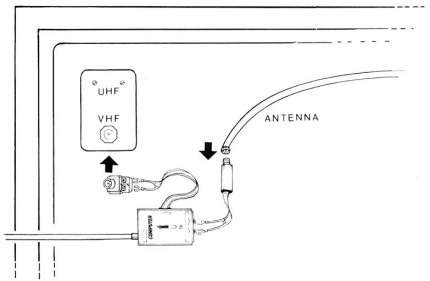


15. Turn the television and the Amiga ON. Your Amiga is now ready to use.

For TVs with 75-ohm Antenna Wires

If your antenna cable is the round 75-ohm type, you will need two 75-ohm to 300-ohm adapters (available in most electronics or hardware stores).

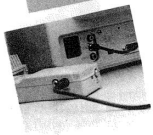
Use one of the adapters to attach the VHF antenna cable to the screws at the bottom of the TV switch box, and the other to attach the TV switch box's antenna wires to your television's *VHF* terminals. After attaching the necessary converters to your television, follow the directions for *TVs with 300-ohm Antenna Wires*.



How to Connect a Composite Monitor

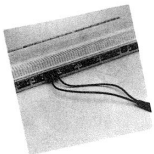
1. Make sure both the monitor and the Amiga are OFF.

WARNING: Before connecting any cables, make sure the power to the computer is OFF, to avoid damaging either unit.



2. Grasp the A520 and line up its RGB connector with the RGB video port on the back of the computer. The two should fit together with just a slight push. (If they do not, check that the pins in the A500's connector are straight and that the A520 is right side up. Now try again.)

3. If your monitor has its own cable, connect this cable to the *VIDEO OUT* port on the A520. Otherwise, connect one end of the TV connector cable to the *VIDEO IN* port on the monitor and the other end to *VIDEO OUT* on the A520.



4. Connect the main stem of the y-audio cable into *AUDIO IN* on the monitor.

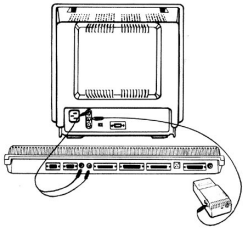
5. Connect the other two ends of the y-audio cable to the *L AUDIO* and *R AUDIO* on the back of the Amiga.

NOTE: If you want to connect the Amiga's audio output to your stereo, rather than your TV, you must buy two additional cables, called "RCA plug to RCA plug," (available in most electronics or hardware stores) to connect to your particular stereo. Connect the two cables from the *L* and *R AUDIO* ports on the computer to the *L* and *R AUX* inputs on your amplifier and select *AUX input* on your stereo.

6. Plug the monitor and the Amiga into a 3-pronged electrical outlet.

CAUTION: If the house AC wall outlet is not the 3-pronged type, contact an electrician to install the correct 3-pronged outlet. If a multi-connector box is used to connect the computer and peripherals to the AC line, the AC ground must be common to all units. Contact an electrician if you are not sure if your system is grounded properly.

Check your connections:



7. Turn the monitor and the Amiga ON. Your Amiga is now ready to use.

If You Have a Problem . . .

If the screen display is not clear, try adjusting the controls on your television set or monitor. You may not get a picture at all if your control settings or connections are not correct. In such a case you should check all your settings and connections. Often the TV may simply be tuned to the wrong channel, or you may have the brightness turned off.

The Trouble-shooting Chart shown on the following pages lists some of the more common problems and tells how to correct them.

If you check the connections and still can't get the computer to work, call CUSTOMER SUPPORT:

(215) 436-4200

Commodore CUSTOMER SERVICE personnel at this number will help you find and correct the problem. If the problem cannot be corrected over the phone, you will be given the number of the Commodore service facility nearest you. Commodore has over 750 independent companies, including the RCA Service Company, ready to provide nationwide service and maintenance for your Commodore equipment.

Most set-up and start-up problems are simple and can be diagnosed over the phone. By calling CUSTOMER SUPPORT, you can probably avoid an unnecessary trip to the service facility. More important, you can continue to use your equipment.

Remember—Call the CUSTOMER SUPPORT number before you take *any* equipment in for warranty service.

TROUBLE-SHOOTING CHART

Symptom	Cause	Remedy
Indicator light not 'ON'	Computer not turned ON	Make sure power switch is in ON position.
	Computer not plugged into wall outlet	Check power socket for loose or disconnected power cable. Check connection with wall outlet.
No picture (Monitor)	Monitor not connected	Check monitor connections.
	Antenna still connected	Check the back of your TV. If it has a switch to connect antenna, set the switch for EXTERNAL.
No picture (TV)	Incorrect hookup	Check computer hookup to VHF antenna terminal; see page 3 for details.
	Cable to TV not plugged in	Check output cable connection to TV.
	Computer and/or TV set for wrong channel	Set computer to same channel as TV (3 or 4).
	TV receives regular broadcasts even though it is properly connected to the computer, and the computer is ON	Check that TV switch box is set to COMPUTER.
Picture with poor or no color	Poorly tuned color controls	Adjust color controls on TV or monitor.

Symptom	Cause	Remedy
Sound with excess background noise	Volume too high	Adjust volume.
Picture OK, but no sound	Volume too low	Adjust volume.
	AUX input on external amplifier not properly connected	Connect sound jack to AUX input on amplifier and select AUX input.
Sound OK, but no picture	See "No picture" listings above	See "No picture" listings above.
Computer displays garbled symbols on the screen	Overheating	Pull plug on power supply and allow computer to cool down.(Make sure air flow around power supply is not restricted.)
Severe interference	Older Model TV	Rotate TV set. Adjust vert., horiz. and/or control knobs to make interference less severe.

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P/N: 319936-01

Printed in Taiwan
41A074-001